

2010 scheme

Q.P. Code: 204013

Reg. No.

Second Year B.Sc Optometry Degree Supplementary Examinations February 2021 Nutrition & Biochemistry

Time: 3 hrs

Max marks: 80

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(2x15=30)

1. Define enzymes. Classify enzymes with examples. Add a note on competitive inhibition of enzymes. (1+10+4)
2. Describe the urea cycle. Write about the regulation of urea cycle. Add a note on hyperammonemia (10+ 3+2)

Short notes

(5x5=25)

3. Plasma proteins
4. Functions of Iodine and deficiency
5. Protein energy malnutrition
6. Glycogen metabolism
7. Wald's visual cycle

Answer briefly

(10x2=20)

8. Ketogenesis
9. Glucose tolerance test
10. Photoreceptor cell
11. Lens composition
12. Significance of HMP shunt pathway
13. Immunoglobulins
14. Vitamin K deficiency
15. Primary structure of proteins
16. Antioxidant vitamins
17. Obstructive jaundice

Give precise answer

(5x1=5)

18. Name two sulphur containing amino acids
19. Name two water soluble vitamins
20. Normal blood glucose levels
21. Energy value of lipids
22. Storage form of iron in the body
